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CLAIMS:

What is claimed is:

1. A method in a data processing system, said method
5 comprising the steps of:

receiving a request for a secure Web page, said
secure Web page including data;

determining whether said data has been
pre-encrypted; and

- 10 bypassing an encryption step and transmitting said
data in response to a determination that said data has
been pre-encrypted.

2. The method according to claim 1, further comprising
15 the step of in response to a determination that said data
has not been pre-encrypted, encrypting said data and
transmitting said encrypted data.

3. The method according to claim 2, further comprising
20 the step of in response to a determination that said data
has not been pre-encrypted, storing said encrypted data.

4. The method according to claim 3, further comprising
the step of storing said encrypted data in a cache.

- 25 5. The method according to claim 1, further comprising
the steps of:

receiving a request for an image included within
said Web page;

- 30 checking a cache to determine whether a
pre-encrypted version of said image is already stored in
said cache;

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in response to a determination that said pre-encrypted version is stored in said cache, bypassing an encryption step and transmitting said pre-encrypted version; and

5 in response to a determination that said pre-encrypted version is not stored in said cache, encrypting said image and transmitting said encrypted image.

10 6. The method according to claim 1, further comprising the steps of:

receiving said request for said secure Web page, said secure Web page including static information and dynamically-changing information;

15 determining whether said static information has been pre-encrypted;

bypassing an encryption step and transmitting said static information in response to a determination that said static information has been pre-encrypted;

20 encrypting said dynamically-changing information; and

transmitting said encrypted, dynamically-changing information.

25 7. The method according to claim 1, wherein said data processing system further includes a server computer system coupled to a client computer system utilizing a network, said method further comprising the steps of:

30 receiving a request for said Web page by said server;

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establishing a Secure Sockets Layer (SSL) session between said client and said server in response to said client transmitting said request;

associating a cache with said SSL session;

5 determining whether a pre-encrypted version of said data has been stored in said cache in response to said receipt of said request;

in response to a determination that said pre-encrypted version of said data has not been stored in
10 said cache, encrypting said data and transmitting said encrypted data; and

in response to a determination that said pre-encrypted version of said data has been stored in said cache, transmitting said pre-encrypted version of
15 said data.

8. The method according to claim 1, further comprising the step of maintaining said Web page by a secure Web site.

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9. A computer program product in a data processing system, comprising:

instruction means for receiving a request for a secure Web page, said secure Web page including data;

25 instruction means for determining whether said data has been pre-encrypted; and

instruction means for bypassing an encryption step and transmitting said data in response to a determination that said data has been pre-encrypted.

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10. The product according to claim 9, further comprising instruction means for in response to a determination that

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said data has not been pre-encrypted, encrypting said data and transmitting said encrypted data.

11. The product according to claim 10, further
5 comprising instruction means for in response to a determination that said data has not been pre-encrypted, storing said encrypted data.

12. The product according to claim 11, further
10 comprising instruction means for storing said encrypted data in a cache.

13. The product according to claim 9, further comprising:

15 instruction means for receiving a request for an image included within said Web page;

instruction means for checking a cache to determine whether a pre-encrypted version of said image is already stored in said cache;

20 instruction means for in response to a determination that said pre-encrypted version is stored in said cache, bypassing an encryption step and transmitting said pre-encrypted version; and

25 instruction means for in response to a determination that said pre-encrypted version is not stored in said cache, encrypting said image and transmitting said encrypted image.

14. The product according to claim 9, further
30 comprising:

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instruction means for receiving said request for said secure Web page, said secure Web page including static information and dynamically-changing information;

instruction means for determining whether said static information has been pre-encrypted;

instruction means for bypassing an encryption step and transmitting said static information in response to a determination that said static information has been pre-encrypted;

instruction means for encrypting said dynamically-changing information; and

instruction means for transmitting said encrypted, dynamically-changing information.

15 15. The product according to claim 9, wherein said data processing system further includes a server computer system coupled to a client computer system utilizing a network, said product further comprising:

instruction means for receiving a request for said Web page by said server;

instruction means for establishing a Secure Sockets Layer (SSL) session between said client and said server in response to said client transmitting said request;

instruction means for associating a cache with said SSL session;

instruction means for determining whether a pre-encrypted version of said data has been stored in said cache in response to said receipt of said request;

instruction means for in response to a determination that said pre-encrypted version of said data has not been stored in said cache, encrypting said data and transmitting said encrypted data; and

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instruction means for in response to a determination that said pre-encrypted version of said data has been stored in said cache, transmitting said pre-encrypted version of said data.

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16. The product according to claim 9, further comprising instruction means for maintaining said Web page by a secure Web site.

10 17. A data processing system, comprising:

a request being received by said data processing system for a secure Web page, said secure Web page including data;

15 said data processing system including a CPU executing code for determining whether said data has been pre-encrypted; and

20 said data processing system including a CPU executing code for bypassing an encryption step and transmitting said data in response to a determination that said data has been pre-encrypted.

18. The system according to claim 17, further comprising in response to a determination that said data has not been pre-encrypted, said CPU executing code for
25 encrypting said data and transmitting said encrypted data.

19. The system according to claim 18, further comprising in response to a determination that said data has not
30 been pre-encrypted, said CPU executing code for storing said encrypted data.

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20. The system according to claim 19, further comprising a cache for storing said encrypted data.

21. The system according to claim 17, further comprising:

said Web page including a request for an image included within said Web page;

said CPU executing code for checking a cache to determine whether a pre-encrypted version of said image is already stored in said cache;

in response to a determination that said pre-encrypted version is stored in said cache, said CPU executing code for bypassing an encryption step and transmitting said pre-encrypted version; and

in response to a determination that said pre-encrypted version is not stored in said cache, said CPU executing code for encrypting said image and transmitting said encrypted image.

22. The system according to claim 17, further comprising:

said secure Web page including static information and dynamically-changing information;

said CPU executing code for determining whether said static information has been pre-encrypted;

said CPU executing code for bypassing an encryption step and transmitting said static information in response to a determination that said static information has been pre-encrypted;

said CPU executing code for encrypting said dynamically-changing information; and

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said CPU executing code for transmitting said encrypted, dynamically-changing information.

23. The system according to claim 17, wherein said data
5 processing system further includes a server computer system coupled to a client computer system utilizing a network, further comprising:

said server for receiving a request for said Web page;

10 a Secure Sockets Layer (SSL) session being established between said client and said server in response to said client transmitting said request;

a cache associated with said SSL session;

said CPU executing code for determining whether a
15 pre-encrypted version of said data has been stored in said cache in response to said receipt of said request;

in response to a determination that said pre-encrypted version of said data has not been stored in said cache, said CPU executing code for encrypting said
20 data and transmitting said encrypted data; and

in response to a determination that said pre-encrypted version of said data has been stored in said cache, said CPU executing code for transmitting said pre-encrypted version of said data.

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24. The system according to claim 17, further comprising said Web page being maintained by a secure Web site.